

VIII.3.3-MEAN-Q MEAN DISCHARGE COMPUTATION OPERATION

Identifier: MEAN-Q

Operation Number: 6

Parameter Array: The FORTRAN identifier used for the parameter array is PO. The contents of the PO array are:

<u>Position</u>	<u>Contents</u>
_____1	Operation version number (integer value)
2-3	Instantaneous discharge time series identifier
4	Instantaneous discharge time series data type
5	Instantaneous discharge time series data time interval (integer value)
6-7	Mean discharge time series identifier
8	Mean discharge time series data type
9	Mean discharge time series data time interval (integer value)
10	Number of initial carryover values (integer value)
11	Number of PO values (integer value)

Carryover Array: The FORTRAN identifier used for the carryover array is CO. Carryover values for this Operation are simulated instantaneous discharges needed to compute the mean discharge for the first period of simulation. The number of values is equal to the mean discharge time interval divided by the time interval of the instantaneous discharge time series. The actual number of carryover values used by the Operation is determined by the initial hour of the computations. The default initial carryover values are zeroes.

Subroutines Names and Functions: Subroutines associated with this Operation are:

<u>Subroutine</u>	<u>Function</u>
PIN6	Input cards and stores values in the PO and CO arrays
PRP6	Print information in the PO array
PRC6	Print information in the CO array

Subroutine Function

EX6	Execute the Operation
COX6	Perform carryover transfer
PUC6	Punch information in PO and CO arrays
TAB6	Make entry into the Operations Table

Subroutines PIN6, PRP6, PRC6, COX6 and PUC6 have the standard argument lists for these subroutines as described in Section VIII.4.3.

SUBROUTINE EX6 (PO,CO,Q,QM)

Function: This is the execution routine for Operation MEAN-Q.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
PO	Input	R*4	Variable	Contains parameters and other information
CO	Input	R*4	Variable	Contains carryover values
Q	Input	R*4	Variable	Instantaneous discharge time series
QM	Output	R*4	Variable	Mean discharge time series

SUBROUTINE TAB6 (TO,LEFT,IUSET,NXT,LPO,PO,LCO,TS,MTS)

Function: This is the Operations Table entry subroutine for Operation MEAN-Q.

Argument List: The arguments for this subroutine are similar to the arguments for the Operations Table entry subroutines for other Operations. A description of the arguments is contained in Section VIII.4.2-TAB.

Operation Table Array: The contents of the TO array are:

<u>Position</u>	<u>Contents</u>
1	Operation number
2	Location in the T array of the next Operation to be executed
3	Location of the parameter array for this Operation in the P array
4	Location of the carryover array for this Operation in the C array
5	Location of instantaneous discharge data in the D array
6	Location to put mean discharge data in the D array